GRX650

Sony VAIO® GRX-Series Notebook

A powerful reason to go mobile.

MOVIES AND PHOTOS
Gigantic 16.1" high-resolution LCD for outstanding viewing of your digital images![10]

MUSIC AND ENTERTAINMENT
Download. Make custom CDs that sound incredibly clear on the built-in stereo speaker system!

GOT WIRELESS?
High-speed wireless access for mobile network connection[6].

STYLISH AND PROFESSIONAL
Serious power and ultimate style with magnesium alloy casing. Who says you can't have it all?

FEATURES

- Amazing gigantic 16.1" UXGA screen - with ultra high-resolution and dual display support!
- Mobile Intel® Pentium® 4 processor 1.80GHz[1] - M
- The ultimate notebook for business or pleasure with enormous hard drive and hot swappable bay for CD-RW/DVD combo drive or optional second battery
- Memory Stick® media slot allows you to tie together so many aspects of the digital world!
- i.LINK® (IEEE 1394) S400 digital interface[3]

Sony Exclusive **MULTIMEDIA DIGITAL EDITING** software package!

SPECIFICATIONS

Model
PCG-GRX650
Processor
Mobile Intel® Pentium® 4 processor 1.80GHz[1]-M
supports Intel® Enhanced SpeedStep™ technology[1]
Cache Memory
512 KB integrated on-die level 2
Bus Speed
400 MHz
LCD
16.1" UXGA (1600x1200) TFT display
Graphics
4X AGP enabled ATI MOBILITY™ RADEON™ 7500
32 MB VRAM (128-bit DDR SDRAM)
Dual display support
Memory
512 MB DDR SDRAM, expandable to 1024 MB
Hard Drive
Removable 30 GB[2] hard drive
Optical Drive
Internal removable CD-RW / DVD combo drive
(R-write 16x; RW-write 10x; DVD-read 8x; CD-read 24x)
Optional Floppy Drive
External 1.44 MB, 3.5" USB floppy drive (PCGA-UFD5)
Memory Stick® Media Slot
Supports optional Memory Stick® media
Hot-Swappable Multi-Bay Supports
- CD-RW/DVD combo drive or
- Optional second battery
Modem
Integrated V.90 modem
Ethernet
10BASE-T/100BASE-TX Ethernet with RJ-45 interface
Pointing Device
Center Jog Dial™ control with back button
Electro-Static touch pad
Estimated Battery Life[4]
Lithium-ion battery, supports dual battery operation
1.5-3.5 hours with one battery[4]
3.0-7.0 hours with optional second battery[4]
PC Card Slots
2 type I/type II cards, or 1 type III card, CardBus support
Audio
Windows® sound system compatible
Built-in stereo speakers; monoral mini-jack microphone
Other Interfaces
i.LINK® (IEEE 1394) interface[3], TV out, 3 USB, RJ-11 modem jack, RJ-45 Ethernet, Memory Stick® media slot, VGA output, parallel, headphone (stereo), mic-in, port replicator interface
Optional Port Replicator (PCGA-PRGX1)
DC in, PS/2® keyboard and mouse, 2 USB, serial, parallel, VGA output, S-video, RJ-45, line-in, docking CN, TV out

Power Requirements
90 watts maximum ±10% (19.5V / AC100-240V)
Energy Star® compliant
Advanced power management - APM-ACPI compatible
Size (H x W x D)
1.6"-1.8" X 14" X 11.5"
Weight
8.0 lbs.with one battery
8.4 lbs. with battery and optical drive
Supplied Accessories
Lithium-ion battery, power cord, AC adapter,
and weight saver
Optional Accessories
Port replicator (PCGA-PRGX1)
External USB floppy disk drive (PCGA-UFD5)
Additional battery (PCGA-BP2NX)
USB mouse (PCGA-UMS1/A)
Carrying case (PCGA-CCGX)
Additional AC adapter (PCGA-AC19V3)
Neoprene noteboook & AC adapter cases (PCGA-CCN3)
802.11b Wireless LAN Pro access point (PCWA-A200)
802.11b Wireless LAN Bridge access point (PCWA-A220)
802.11b Wireless LAN PC card (PCWA-C150S)
802.11a Wireless LAN access point (PCWA-A500)
802.11a Wireless LAN PC card (PCWA-C500)
Service and Warranty Information
One year limited hardware Express Service[5] (Certain restrictions apply.)
One year limited hardware parts and labor[5]
Telephone Support[5]: One year hardware and 90 days software and operating system from purchase date
Operating System
Microsoft® Windows® XP Home Edition
Home and Business Software
Quicken® 2002 New User Edition[8]
Microsoft® Word 2002[9]
Movie and TV Software
Adobe Premiere® LE
Sony DVgate™
Sony MovieShaker™
Sony Pico Player™
InterVideo WinDVD™ 2000
Music Software
Sony SonicStage™
Screenblast™ Acid™
Screenblast™ Sound Forge®
Photo Software
Adobe Photoshop Elements
Sony Digital Print
Sony PictureGear™
Sony Smart Capture

Online Center
America Online®[7]
RealNetworks® Real Entertainment Suite
Virus, Tools, and Support Software
Trend Micro PC-Cillin®[7]
VAIO Support Agent

1 GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2 GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary.
3 i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
4 Estimated battery life. Actual battery life may vary on usage.
5 From date of purchase with registration.
6 Wireless LAN access point and PC card sold separately. Sony cannot fully guarantee the security of wireless communications.
7 Requires fees for use.
8 Existing users may be required to pay upgrade fee.
9 Certain Microsoft software product(s) included with this computer may use technological measures for copy protection. IN SUCH EVENT, YOU WILL NOT BE ABLE TO USE THIS PRODUCT IF YOU DO NOT FULLY COMPLY WITH THE PRODUCT ACTIVATION PROCEDURES. Product activation procedures and Microsoft's privacy policy will be detailed during launch of the product, or upon certain reinstallations of the software product or reconfigurations of this computer, and may be completed by Internet or telephone (toll charges may apply).
10 Camcorder and i.LINK cable sold separately.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware option except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Preinstalled software may not be identical to retail versions or have all documentation.

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Sony recommends Microsoft® Windows® XP Professional for Mobile Computing.